

FIGURE 1

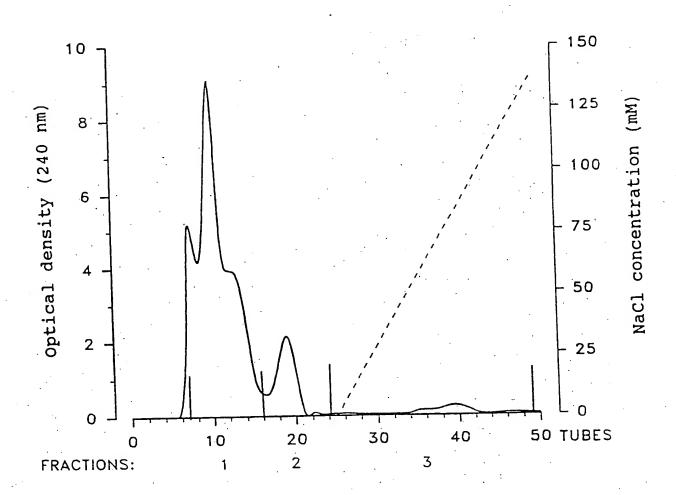


FIGURE 2

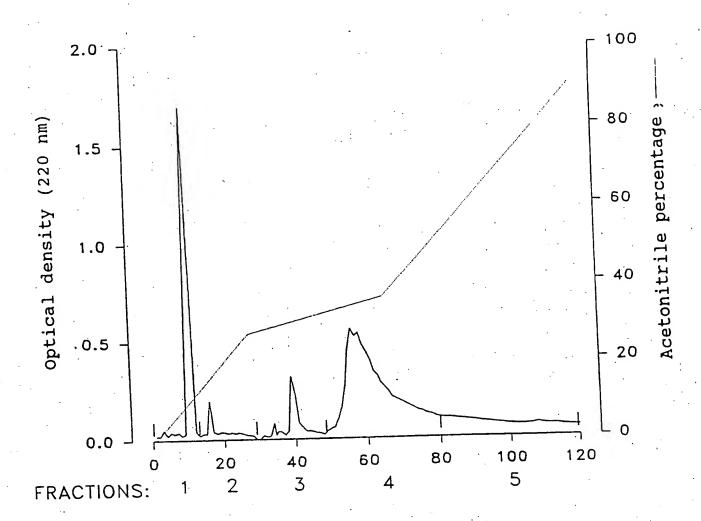


FIGURE 3

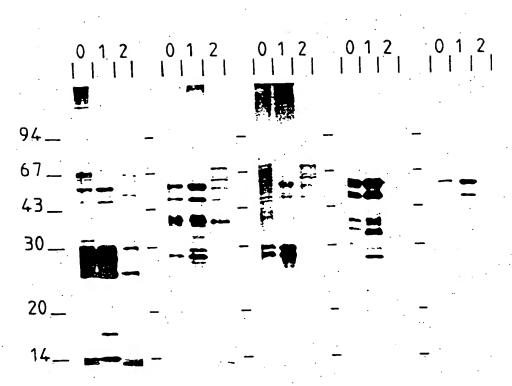


FIG.4A FIG.4B FIG.4C FIG.4D FIG.4E



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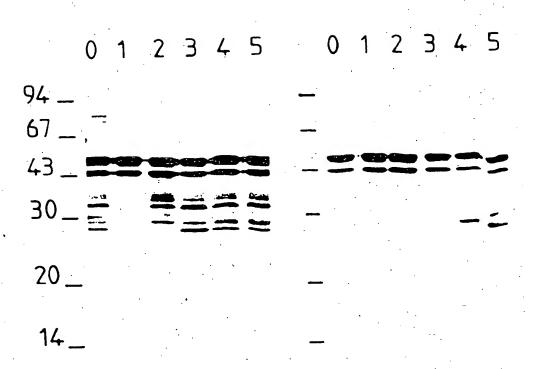
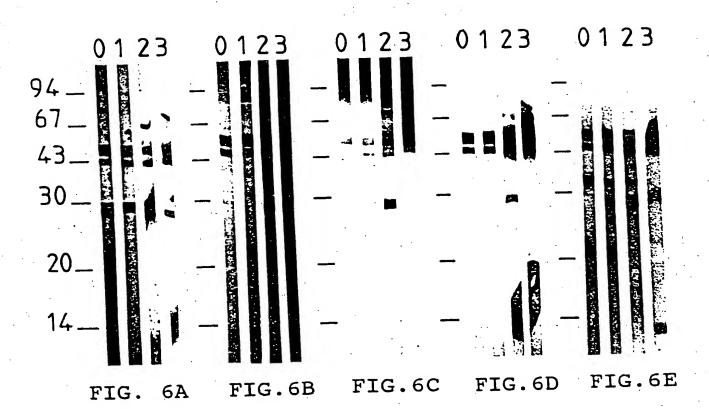
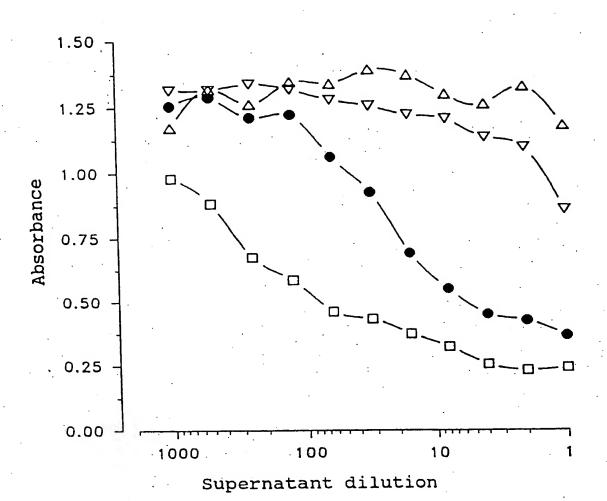


FIG.5D

FIG.5E



0 1 2 3 4 5 0 1 2



• - Supernatant from M. bovis BCG

Δ- Supernatant from non-transformed M. smegmatis

o- Supernatant from M. smegmatis transformed by a recombinant clone able to express recombinant proteins recognized by the antibodies

recognized by the antibodies
v-Supernatant from M. smegmatis transformed by a recombinant clone not expressing recombinant proteins recognized by the antibodies

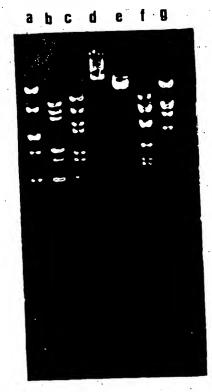
FIGURE 8

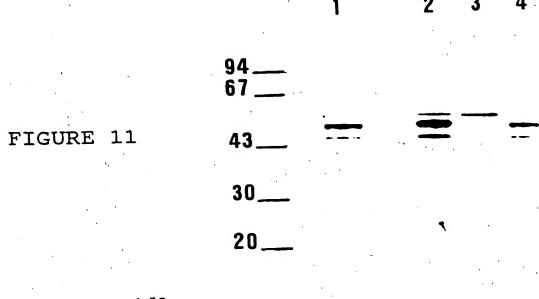
FIGURE 9

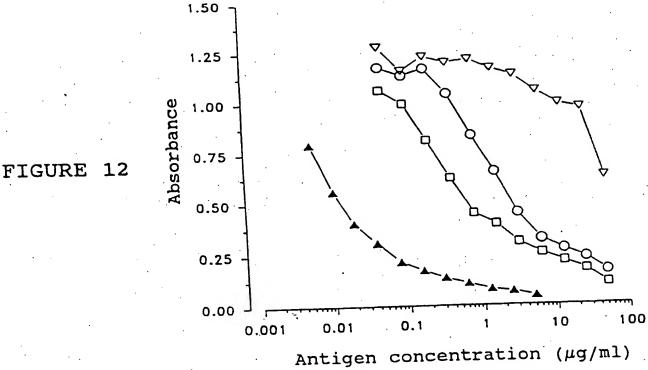
6

2.9

FIGURE 10





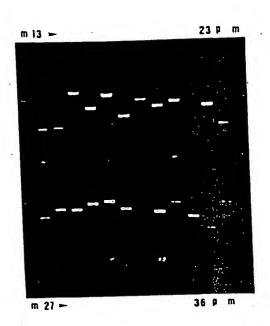


▲ -Purified 45/47 kDa proteins

□ _Supernatant from M. smegmatis transformed by pLA1

O _Supernatant from M. bovis BCG

∇ _Supernatant from non-transformed M. smegmatis mc²155



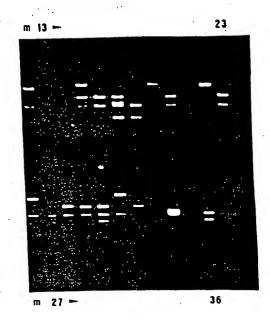


FIGURE 13A

FIGURE 13B

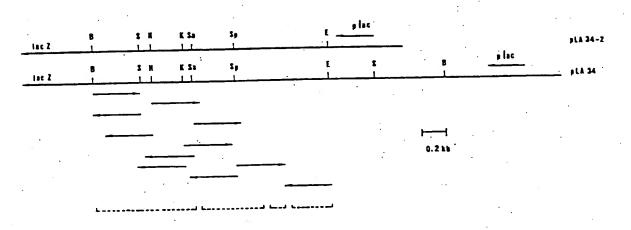


FIGURE 14
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13/15

1 2 3 4

94 ___

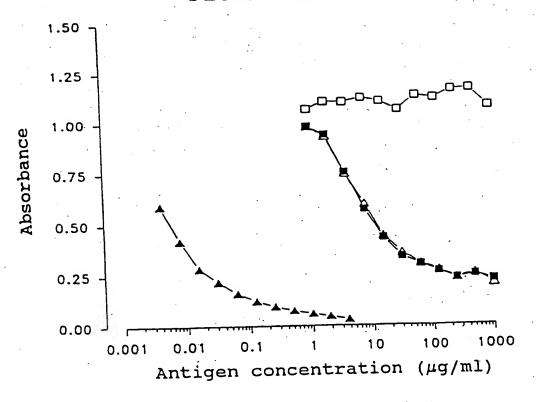
43__

30 ____

20 ___

FIGURE 15

FIGURE 16



▶ Purified 45/47 kDa proteins
Lysate from E. coli XL1-Blue transformed by pLA34
▶ Lysate from E. coli XL1-Blue transformed by pLA34-2
Lysate from non-transformed E. coli XL1-Blue

				•		•
			1	10	20	. 30
			. 5.01	10 TU		ASASLVTVXVPAT
SEQ ID2	`•		MHQV	DPNLTRAKG	::1111	
			:	1: 1::11	ייווו ! עעמדא דדאעדי	A CA CA FTMPFRAA
mln431 2	KNPQPQHKQA\	/LASQXXHG	REVAMNO	DEDSTHEE	40	ASASAFTMPFRAA 50 60
	. 10	. 20	•	30	40	50
-				70	. 80	90
• •	49	<u>5</u> 0	60	0.7	טס מ∩גואמיזייוג ג ג	CDDNA A DDDA DDN
SEQ ID2	ANADPEPAPPV	PITAASPPS	TAAAPPAI	PATPVAPPPP	AAANI PNAQE	CILL TILL ITT
•	111 <u>11:11</u>	1 1-1-1	T1:1:1:	: : 1	: : :::!!! CXDVCCEXOD	GDPNAAPPPADPN : GDPNAPSLDPN
mln431	ANADPAPL		INTAWED	PAQUITITUE	O	GDPNAPSLDPN 00
		70		80	90 1	00
	•	1		120	1.40	150
	100	110	120	130	TAO.	CALLCIDEEDCUE
SEQ ID2	APPPPVIAPNA	PQPVRIDNE	VGGFSFA	LPAGWVESDA	AHFDIGSALL	SKTTGDPPFPGQP
mln431	APYPLAVDPNA	GRITNA	VGGFSFV	PAYCMAFPEN	SUPPLGSAPE	SKAIEQPPVLGQP
11	0 120		130	140	150	100
• .				190	200	210
	160	170	180	190	CEEVMDV DC'	
SEQ ID2	PPVANDTRIVI	GRLDOKLY	ASAEATOS	KAAAKLGSDI		TRINGETVSLDANG
mln431	TVVATDTRIVI	JGRLDQKLY.	ASAEADNI	ZOO	210"	TRINGETIPLHANG
	170	1.80	190	200	. 210	
			240	250	260	270
-	220	230	240	23U TCCD3 3813 DD	ACDDORWEVV	WLGTANNPVDKGAA :
SEQ ID2	VSGSASYYEV	KFSDPSKPN	GOTALGA.	IGSENAMAED	.11.111111	1111:1111111
	73 11 11 11 11 11	1111:11		:	VCPSORWEVV	WLGTSNNPVDKGAA 280
mln431	IAGSASYYEV	KEZDENKET	GOTCION	260	270	280
	230	240	250	200.	270	200
		•				
	,			210		
	280	290	300	310	320	י אגם זח
SEO ID2	280 KALAESIRPI	VAPPPAPA	PAPAEPAP	APAPAGEVAL	TELLETECK	TREEN :
			• 1 1 1 1 1			
mln43	L KELAESIRSE	MAPIPASV	SAPAPVGX	MIKHPLKCHC	330	AEQTTVDNRHSSVY1 340
	300 .	. 300	310	• 320	. 220	340

FIGURE 17

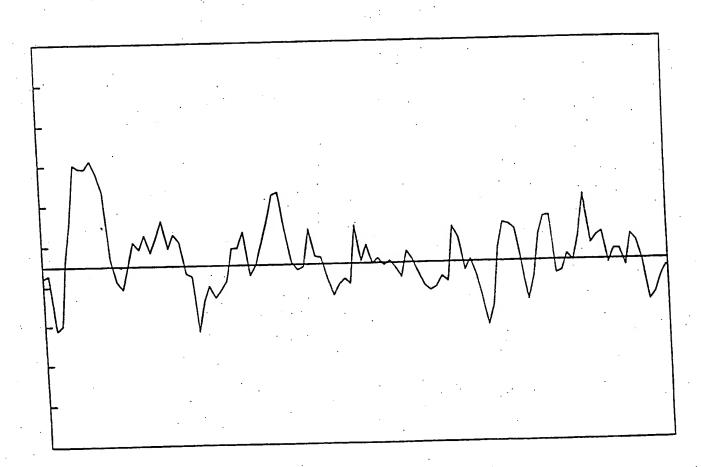


FIGURE 18